

Date: Fri, 16 Sep 94 04:30:30 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V94 #331
To: Ham-Equip

Ham-Equip Digest Fri, 16 Sep 94 Volume 94 : Issue 331

Today's Topics:

 Best HF transceiver for around \$2000.00
 DSP Units
 Help Wanted
 Icom IC-290A/H wanted
 QRP Recommendations
 Range of 2 meter HT
 When is a Ni-Cad or NickelHydride cell charged?

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 14 Sep 94 20:24:48 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!vixen.cso.uiuc.edu!aries!
hawley@network.ucsd.edu
Subject: Best HF transceiver for around \$2000.00
To: ham-equip@ucsd.edu

sem2r@galen.med.Virginia.EDU (Stacey E. Mills) writes:

>I'm just getting back into Hamming after about 15 yrs. off and
>want to get a good CW/SSB 9-band transceiver. Used to have a
>Kenwood TS820, which I liked. I'm considering the Kenwood
>TS850/AT, Ten Tec Omni VI, and equivalent Yaesu and Icom rigs
>in the \$2000-2500 price range. At these prices, I don't want
>to make a major mistake. Any strong preferences and reasons for
>such would be greatly appreciated.
>Email direct to: SEM2R@galen.med.virginia.edu

>Thanks, Stacey (WB4QKT)

Consider the Yaesu 990. It's got an audio rolloff of 3KHz on all modes and consequently sounds muffled on AM. Other than that I find no big druthers. I have a Knwd 850 also. Great on AM. Like em both. The Knwd is more like operating a VCR. The Yaesu feels more like a Ham rig. The Omni VI (tried one for a week) is not as much rig for the money....drifts a little (no matter what they say...50 Hz), but I only do SSB for the most part on 80M. A dx, cw, or digital guy might find something great abt the radio. The DSP het removal can be got at Radio Shack for \$80. If you can find a used rig you know about, that is the best way to go. No matter what, you will probably want to get a different one in a year or so. Like new, but used, sell for 75%. When you resell it you should get 60% or more if you don't scratch it up. So you only lose 15% or less of less, instead of 25% of more (just having a little fun here).

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

Date: Mon, 12 Sep 1994 06:30:29 GMT
From: netcomsv!netcom.com!carreiro@decwrl.dec.com
Subject: DSP Units
To: ham-equip@ucsd.edu

I too have had trouble finding the MFJ unit. For now, I've given up trying to find one and will hold off in purchasing a DSP unit till we hear more pro/con opinions of it.

I have had one question that I have been pondering that I'd like to add to Bill's original query...

Since DSP units are obviously digital devices, do they themselves generate noise that the receiver picks up? Obviously the filter would reduce its own noise output to the speaker. I guess my question is more in the effect that the reciever would see in reduced selectivity or sensitivity from picked up digital noise from the DSP units.

I suppose it would be easy to determine by not connecting the DSP unit to the audio output, and toggle it on and off for comparison; or by using the bypass switch on the DSP unit. Has anyone performed a test like this or have related data??

I'd like to see this type of test added to any comprehensive comparison

test between DSP filter units. ARRL, you listening??

Thanks
Paul N6HCS

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carreiro@netcom.com
N6HCS@N0ARY.#NOCAL.CA.USA.NA

Date: Wed, 14 Sep 1994 09:46:42 +0000
From: ihnp4.ucsd.edu!agate!overload.lbl.gov!dog.ee.lbl.gov!news.cs.utah.edu!
cs.utexas.edu!howland.reston.ans.net!swrinde!pipex!demon!microvst.demon.co.uk!
tgold@network.ucsd.edu
Subject: Help Wanted
To: ham-equip@ucsd.edu

SMC, or South Midlands Communications, are at:

SM House, School Close
Chandlers Ford Industrial Estate
Eastleigh, Hampshire SO5 3BY
England

tel: 011-44-1703 251549/255111

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Anthony R. Gold G3SKR and AA2PM

Date: Thu, 15 Sep 1994 14:44:40 GMT
From: newsgate.melpar.esys.com!melpar!phb@uunet.uu.net
Subject: Icom IC-290A/H wanted
To: ham-equip@ucsd.edu

WANTED: Icom IC-290A or IC-290H 10-w. 2-meter multimode, excellent
to mint condition. Will pay shipping/COD.

(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
| |) Principal Systems Engineer Telephone: (703) 560-5000 x2062

Date: Sat, 10 Sep 94 18:33:44 EDT
From: anagld!wb3ffv!hambbs!Mike.Czuhajewski@uunet.uu.net
Subject: QRP Recommendations
To: ham-equip@ucsd.edu

Someone lumped the HW-7 and HW-8 together--ignore that. While it is true that they are both direct conversion receivers, the HW-8 is several steps above the HW-7 in receiver performance and cured a lot of the troubles that the '7 had. I have three of the HW-7s, and one will never be modified so I can demonstrate how badly they sound. They aren't too bad if you rip out the MOSFET mixer and replace with a double balanced mixer, such as the MCL SBL-1 or SRA-1. The HW-8s are still enjoying a good market, prices from \$50 (very rarely) to \$100 (once the "going" rate) and inching up from there..although I wouldn't pay anything over a hundred regardless of condition, myself.

My current favorite is the New England QRP Clubs NE4040, which was a club kit offering for \$40. It uses some NE602s in a minimalist superhet configuration with crystal filter (only two crystals, for simplicity), varactor tuning (simplicity and low cost). I don't have mine in a cabinet yet but just listening on the bands with a 40 meter loop which is mostly on the ground it sounds very good, especially considering the minimal component count. (QSK, electronic T/R switching, no sidetone--the receiver monitors the transmitter signal.) After the kits sold out, NN1G started selling them himself (He's the designer), and Dave told me he has an upcoming QST article on it. Really neat rig. (Disclaimer: I am not obligated to Dave in any way, unless I owe him something for taking over as Technical Editor of the QRP Quarterly when I couldn't do it anymore, and have no interest in the success or failure of this item on the market. Really neat little rig, though, especially at the price.)

Date: 15 Sep 1994 14:04:03 GMT
From: ihnp4.ucsd.edu!ucsnews!newshub.sdsu.edu!nic-nac.CSU.net!usc!
howland.reston.ans.net!vixen.cso.uiuc.edu!usenet@network.ucsd.edu
Subject: Range of 2 meter HT
To: ham-equip@ucsd.edu

In <d3.1455.131@alley.com>, john.hiatt@alley.com (John Hiatt) writes:
>DB>: >I will have a Kenwood T22AT running at 5 watts with the stock rubber duc
>DB>: >and the other party will probably have a Radio Shack 202 running at 4
>DB>watts
>
>DB>: The HTX-202 will deliver much more than that at 12VDC! Closer to 7Watts!
>
>DB> No, it won't. The HTX-202 delivers 2.5 W @ 7.2 VDC, 4W @ 9VDC,
>DB>5W @ 12VDC, and 6W @ 13.8VDC (source: HTX-202 owner's manual). If he's usin
>DB>the Alkaline AA pack, he'll run 4 watts.
>
>That's funny. My HTX-202 runs 9 watts from the 13.8VDC from my car with

>the engine running. Only 8 watts with it off. It surprised me when I
>hooked a meter to it.

Is the meter accurate? I would not be surprized if it were not,
especially at low power levels.

Date: Wed, 14 Sep 1994 14:36:35 +0000
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!swrinde!pipex!
demon!microvst.demon.co.uk!tgold@network.ucsd.edu
Subject: When is a Ni-Cad or NickelHydride cell charged?
To: ham-equip@ucsd.edu

I bought some AA NiCad and Nickel Hydride AA size battery cells
together with a charger which seems to be a constant current
source. Can anyone advise me how I may recognize full charge,
such as the open circuit voltage or the voltage required to
pump say 70ma through them.

Also, my AA holder that came with my HT says on it that it is for
disposables only and that it should not be used with NiCads. Is
there a problem that I had not recognized? I had thought that
using NiCads in these was SOP.

Any hints on the care and feeding of such units will be gratefully
received, here or by email.

--

Anthony R. Gold G3SKR and AA2PM

Date: (null)
From: (null)
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tel. (217) 244-3164 Fax: (217) 333-8286

End of Ham-Equip Digest V94 #331
